2022 BMW X6(G06) - Requested by: ampire.de

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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Red (60A)	+	BDC in passenger kick, black 54 pin plug (3B), pin 33
Ground	(chassis ground)		
Starter Kill	Black	+	BDC in passenger kick, black 42 pin plug (2B), pin 1
Ignition Sense	Yellow	+	BDC in passenger kick, black 54 pin plug (3B), pin 1
Ignition Immobilization	Orange	+	BDC in passenger kick, black 54 pin plug (3B), pin 2
PTS 1	Green	-	BDC in passenger kick, gray 42 pin plug (5B), pin 7
PTS 2	White/Blue	-	BDC in passenger kick, gray 42 pin plug (5B), pin 15
CAN Bus High	Yellow/Red (K CAN)	Data	BDC in passenger kick, black 54 pin plug (8B), pin 50
CAN Bus Low	Yellow/Brown (K CAN)	Data	BDC in passenger kick, black 54 pin plug (8B), pin 49
CAN Bus High 2	Gray/Green (DIAG CAN)	Data	BDC in passenger kick, black 54 pin plug (8B), pin 46
CAN Bus Low 2	Blue/Yellow (DIAG CAN)	Data	BDC in passenger kick, black 54 pin plug (8B), pin 45
CAN Bus High 3	Gray/Green (DIAG CAN)	Data	OBD-Data Link Connector, 16 pin plug, pin 6
CAN Bus Low 3	Blue/Yellow (DIAG CAN)	Data	OBD-Data Link Connector, 16 pin plug, pin 14
OBD 12 Volts	Red/Black (7.5A)	+	OBD-Data Link Connector, 16 pin plug, pin 16
OBD Ground	Brown	-	OBD-Data Link Connector, 16 pin plug, pin 4
Power Lock	Gray/Blue	MUX	BDC in passenger kick, black 42 pin plug (2B), pin 28
Power Unlock	(same as power lock)		

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Item	Wire Color	Polarity	Wire Location
Lock Motor	Violet or Black	Reverse	BDC in passenger kick, white 54 pin plug (4B), pin 30 or 20
Driver Unlock Motor	Orange	Reverse	BDC in passenger kick, white 54 pin plug (4B), pin 29
Passenger Unlock Motor	Yellow/Green	Reverse	BDC in passenger kick, white 54 pin plug (4B), pin 28
Factory Alarm Arm	(factory remote only)		
Factory Alarm Disarm	(proximity key and push button)		
Parking Lights	(K CAN, LF-RF)		
Parking Lights 2	Gray/Violet (LR); Gray/Violet (RR)	+	BDC in passenger kick, gray 42 pin plug (5B), pin 42 (LR); black 54 pin plug (3B), pin 42 (RR)
Parking Lights -	(LIN)		
Hazards	White/Green	-	BDC in passenger kick, white 54 pin plug (7B), pin 31
Turn Signal (Left)	(K CAN, LF); White/Red (LR)	+	BDC in passenger kick, gray 42 pin plug (5B), pin 19 (LR)
Turn Signal (Right)	(K CAN, RF); White/Red (RR)	+	BDC in passenger kick, gray 42 pin plug (5B), pin 11 (RR)
Headlight	(K CAN)		
AutoLights	(LIN)		
Reverse Light	White	+	BDC in passenger kick, gray 42 pin plug (5B), pin 21
Left Front Door Trigger	Violet/Blue	-	BDC in passenger kick, black 42 pin plug (2B), pin 30
Right Front Door Trigger	Orange	-	BDC in passenger kick, black 42 pin plug (2B), pin 31
Left Rear Door Trigger	Gray/Yellow	-	BDC in passenger kick, black 42 pin plug (2B), pin 38
Right Rear Door Trigger	Green/Yellow	-	BDC in passenger kick, black 42 pin plug (2B), pin 39
Dome Light	Red/Violet (front footwell); Red/Brown (rear footwell)	+	BDC in passenger kick, blue 54 pin plug (9B), pin 54 (front footwell); pin 53 (rear footwell)

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Item	Wire Color	Polarity	Wire Location
Trunk/Hatch Pin	Gray/Brown	- N.C.	BDC in passenger kick, white 54 pin plug (4B), pin 11
Hood Pin	Violet/Green	-	BDC in passenger kick, black 42 pin plug (2B), pin 40
Trunk/Hatch Release	Gray/Yellow (rear handle switch)	-	BDC in passenger kick, white 54 pin plug (4B), pin 10
Trunk-Hatch Release2	Black/Gray (lower tailgate switch)	-	BDC in passenger kick, white 54 pin plug (4B), pin 12
Trunk Release Motor	Gray/Green	Reverse	BDC in passenger kick, white 54 pin plug (4B), pin 4
Fuel Door Release	Violet/Gray - Black/Gray (lock/unlock)	Reverse	BDC in passenger kick, white 54 pin plug (4B), pins 16, 45
Tachometer	Black	AC	OBD-Data Link Connector, 16 pin plug, pin 9
Tachometer 2	Green (3.0L, 4.4L)	AC	Camshaft Position Sensor, engine front passenger side, 3 pin plug, pin 1
Fuel Pump	Green or Green/Violet	+	Rear Power Distribution Box in right rear quarter panel, plug (3B), pin 5 (fuse 210)
Rear Defroster	Red	+ Latched	Rear Power Distribution Box in right rear quarter panel, plug (7B), pin 10 (fuse 231)
Mirror Defroster	(LIN)		
Left Front Heated Seat	(K CAN)		
Right Front Heated Seat	(K CAN)		
Heated Steering Wheel	(inside steering wheel)		
Speed Sense	(wheel speed sensor)		
Brake Wire	Black	+	BDC in passenger kick, gray 42 pin plug (5B), pin 32
Brake Activation	Gray/Red	-	BDC in passenger kick, black 54 pin plug (3B), pin 22
Parking Brake	(LIN, EPB)		

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Item	Wire Color	Polarity	Wire Location
Horn Trigger	Red/Brown	+	BDC in passenger kick, black 42 pin plug (2B), pin 2
Horn - Factory Alarm	(LIN, siren)		
Wipers	(LIN)		
All Windows Up-Down	(not recommended because of factory auto up/down)		
Sun Roof (Open/Close)	(not recommended because of factory auto open/close)		
Memory Seat 1	(LIN)		
Memory Seat 2	(LIN)		
Radio 12V	Red/Blue	+	Receiver Audio Module in left rear quarter panel, 40 pin plug, pin 22
Radio Ground	Brown	-	Receiver Audio Module in left rear quarter panel, 40 pin plug, pin 1
Left Front Speaker (+/-)	Black/Red - Black/Brown (tw/md); Violet/Yellow - Black/Green (wf, base audio)	+,-	Receiver Audio Module in left rear quarter panel, 40 pin plug, pins 2 - 3 (tw/md); pins 23 - 24 (wf)
Right Front Speaker (+/-)	Blue/Red - Blue/Brown (tw/md); White/Black - Blue/Gray (wf, base audio)	+,-	Receiver Audio Module in left rear quarter panel, 40 pin plug, pins 4 - 5 (tw/md); pins 25 - 26 (wf)
Left Rear Speaker (+/-)	Yellow/Red - Yellow/Brown (tw/md); White/Red - White/Brown (tw/md 2, mid audio)	+,-	Receiver Audio Module in left rear quarter panel, 40 pin plug, pins 37 - 38 (tw/md); pins 23 - 24 (tw/md 2)
Right Rear Speaker (+/-)	Violet/Red - Violet/Brown (tw/md); Yellow/Red - Yellow/Brown (tw/md 2, mid audio)	+,-	Receiver Audio Module in left rear quarter panel, 40 pin plug, pins 39 - 40 (tw/md); pins 25 - 26 (tw/md 2)
Center Channel (+/-)	Black/White - Black/Violet (tw/md)	+,-	Receiver Audio Module in left rear quarter panel, 40 pin plug, pins 35 - 36 (tw/md)
Left Front Speaker - With Amp	Violet/Yellow - Black/Green (wf, mid audio)	+,-	Amplifier in left rear quarter panel, 42 pin plug, pins 2 - 3 (wf)
Right Front Speaker - With Amp	White/Black - Blue/Gray (wf, mid audio)	+,-	Amplifier in left rear quarter panel, 42 pin plug, pins 4 - 5 (wf)

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What Fits

Item	Size	Depth	Location